FEDERAL ITEM IDENTIFICATION GUIDE

CHEMICAL PRODUCTS

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This Federal Item Identification Guide for Supply Cataloging is issued under the authority of Department of Defense Instruction 5025.7.

The use of this publication is mandatory for US. Federal Activities participating in Federal Catalog System Operations.

BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

Contents

GENERAL INFORMATION

1. Purpose and Scope

   This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

   This FIIG is comprised of the following:

   Index of Approved Item Names Covered by this FIIG
   Applicability Key Index
   Section I - Item Characteristics Data Requirements
   Section III - New text that should be here.
   Appendix A - Reply Tables
   Appendix B - Reference Drawing Groups (as applicable)
   Appendix C - Technical Data Tables (as applicable)

   a. Index of Approved Item Names Covered by this FIIG:

   The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

   b. Applicability Key Index:

   The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

   (1) The letter "X" indicates the requirement must be answered for a full descriptive item.

   (2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

   (3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code

(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

MRC	Mode Code	Requirement	Example
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGWOVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

[Page Break]

MRC Index

INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

Approved Item Name	INC	App Key
2,4-DINITROCHLOROBENZENE CAPSULES	16705	BA
8-QUINOLINOL SOLUTION	30660	AA
A-KETOGLUTARIC ACID, L-ASPARTIC ACID, POTASSIUM PHOSPHATE, DIBASIC, AND POTASSIUM PHOSPHATE, MONOBASIC SOLUTION	30071	AA
ACACIA SOLUTION	18183	AA
ACETIC ACID, ACETIC ANHYDRIDE, AND SULFURIC ACID SOLUTION	29534	AA
ACETIC ACID, COPPER SULFATE, AND SULFURIC ACID SOLUTION	30072	AA
ALKALINE CUPRIC TARTRATE SOLUTION	28609	CB
ALKALINE TARTRATE SOLUTION	26303	CB
ALKANET	26280	CB
ALUMINIUM CHLORIDE SOLUTION, ANALYZED REAGENT	45036	AA
ALUMINUM AMMONIUM SULFATE CAPSULES	16648	BA
ALUMINUM SULFATE SOLUTION	34490	AA
AMMONIUM CITRATE SOLUTION	18185	AA
AMMONIUM MOLYBDATE SOLUTION	18233	AA
AMMONIUM SULFIDE SOLUTION, DARK, ANALYZED REAGENT	24580	AA

Approved Item Name	INC	App Key
AMMONIUM SULFIDE SOLUTION, LIGHT, ANALYZED REAGENT	23936	AA
AMMONIUM THIOCYANATE SOLUTION	27830	AA
ARSENIC TRIOXIDE-CUPRIC CARBONATE-PIPERIDINE HYDROCHLORIDE MIXTURE	05320	CA
ARSENIC TRIOXIDE-SODIUM CHLORIDE-SODIUM HYDROXIDE SOLUTION	29782	AA
ARSENOMOLYBDATE REAGENT SOLUTION	30239	AA
b-NAPHTHYLAMINE CAPSULES	16706	BA
BARIUM CHLORIDE SOLUTION	18234	AA
BARIUM HYDROXIDE SOLUTION	27632	AA
BENZOIC ACID SOLUTION	29420	AA
BENZOIC ACID, STANDARD SAMPLE	18409	CM
BENZOYL PEROXIDE CAPSULES	16649	BA
BROMCRESOL GREEN-BROMCRESOL PURPLE SOLUTION	18217	AA
BROMCRESOL GREEN SOLUTION	28161	AA
BROMOPHENOL BLUE SOLUTION	18211	AA
BROMOTHYMOL BLUE SOLUTION	18212	AA
CADMIUM CHLORIDE SOLUTION	45037	AA
CEDAR OIL, TECHNICAL	16190	CD
CERIC AMMONIUM SULFATE-SULFURIC ACID SOLUTION	29783	AA
CHLORAMINE T CAPSULES	16701	BA
CHLORIDE SOLUTION	24749	AA

Approved Item Name	INC	App Key
CHLOROPHENOL RED SOLUTION	18213	AA
CHLOROPLATINIC ACID SOLUTION	29276	AA
CHROMIC CHLORIDE SOLUTION	45038	AA
CHROMIC-SULFURIC ACID SOLUTION	38399	AA
CITRIC ACID SOLUTION	18189	AA
CLEANING COMPOUND, LABORATORY GLASSWARE	28341	AA

A compound composed primarily and essentially of an acid, principally sulfuric acid, used in cleaning laboratory glassware and ceramic ware/porcelain. It contains an oxygenating agent, such as potassium or sodium dichromate.

CORNSTARCH, TECHNICAL	17865	CB
COUMARONE-INDENE RESIN	18391	CL

A neutral, thermoplastic, synthetic resin derived chiefly from coumarone and indene.

CREOSOL RED-THYMOL BLUE SOLUTION	18218	AA
CUPRIC CARBONATE-ARSENIOUS OXIDE-PIPERIDINE HYDROCHLORIDE CAPSULES	16709	BA
CUPRIC CHLORIDE CAPSULES	16696	BA
CUPRIC CHLORIDE SOLUTION	45039	AA
CUPRIC SULFATE SOLUTION	15123	AA

A solution of copper sulfate in distilled and/or deionized water, used in hematology for the determination of serum protein, using the specific gravity of the solution as the basis of determination.

CUPROUS CHLORIDE SOLUTION	18191	AA
DECONTAMINATING POWDER	53160	CQ

A collection of items such as carbonaccous adsorbant, ambergard XE-555 decontaminating resin or anion resin used as an contaminant neutralizing agent.

DIACETYL MONOXIME-SODIUM CHLORIDE SOLUTION	28690	AA

Approved Item Name	INC	App Key
DICHLORODIFLUOROMETHANE-TRICHLOROFLUOROMETHANE MIXTURE	28622	CA
DICHLORPFLUORESCEIN, REAGENT	27773	CN
DIMETHYLAMINE, TECHNICAL	24074	CC
DIPHENYLCARBAZONE SOLUTION	27801	AA
DISODIUM ETHYLENEDIAMINETETRAACETATE-SODIUM CHLORIDE SOLUTION	28162	AA
DITHIZONE CAPSULES	16702	BA
DRAGENDORFF'S REAGENT	05327	CA
DRAGENDORFF'S REAGENT CAPSULES	16710	BA
DULBECCO'S PHOSPHATE BUFFERED SALINE, MODIFIED	38377	CJ
ETHYLENE GLYCOL BIS (b-AMINOETHYLETHER) N, N' TETRA ACETIC ACID SOLUTION	33815	AA
ETHYLENE OXIDE-TRICHLOROFLUOROMETHANE MIXTURE	29324	CA
ETHYLENEDIAMINETETRAACETIC ACID, TETRASODIUM SALT, SOLUTION	26747	AA
FERRIC NITRATE SOLUTION	18193	AA
FILLING SOLUTION, ELECTRODE	38709	AA

A specific chemical in liquid form which activates and maintains the electrode and analyzers.

FORMALDEHYDE SOLUTION, ACS	11683	AA
FORMALDEHYDE SOLUTION, ANALYZED REAGENT	20068	AA
FORMALDEHYDE SOLUTION, PHOTOGRAPHIC	11942	AA

Approved Item Name	INC	App Key
GLUTARALDEHYDE SOLUTION	29046	AA
GLYCEROL SOLUTION	46949	AA
GLYCINE AND MAGNESIUM CHLORIDE SOLUTION	28793	AA
GLYOXAL SOLUTION	24459	CC
HERBICIDE, DICAMBA, MECOPROP, AND 2, 4-DICHLOROPHENOXYACETIC ACID, AMINE SALT #	58653	CA
HERBICIDE, MECOPROP #	58654	CA
HYDROBROMIC ACID-ACETIC ACID MIXTURE	05352	CA
INDICATING SOLUTION, WATER	68051	AA

A water reagent solution used in determining the percentage of water in lubricating oil or fuel oil.

IODINE COMPLEX SOLUTION	32078	AA
IODINE MONOCHLORIDE AND ACETIC ACID, GLACIAL, SOLUTION	28486	AA
IODINE, RESUBLIMED, ANALYZED REAGENT #	58141	AA
ION EXCHANGE COMPOUND	07564	CQ

A chemical agent used to soften water by demineralization and to treat other compounds by means of a chemical substitution of positive and negative radicals of compounds (ions). Includes natural and resinous types of zeolites. Most types are capable of being regenerated.

KARL-FISCHER REAGENT	45118	AA

A reagent used for Karl-Fischer titration.

LEAD ACETATE SOLUTION	18236	AA
LEAD FLUOBORATE SOLUTION	12779	AA
LEAD NITRATE SOLUTION	45040	AA
LITHIUM ACID SOLUTION	29560	AA

Approved Item Name	INC	App Key
LITHIUM NITRATE SOLUTION	28642	AA
LITHOGRAPHIC PLATE CLEANING SOLUTION, DEEP ETCH	17866	CB

An item compounded of various ingredients, such as water and organic acids. It is applied to a deep etch lithographic plate to remove the light-hardened resist.

Approved Item Name	INC	App Key
MAGNESIUM CHLORIDE SOLUTION	45041	AA
MANGANOUS NITRATE SOLUTION, ANALYZED REAGENT	23534	CC
MANGANOUS SULFATE SOLUTION	18196	AA
MERCURIC CHLORIDE CAPSULES	16703	BA
MERCURIC NITRATE SOLUTION	18197	AA
MERCURIC POTASSIUM IODIDE SOLUTION	28590	CA

The Nessler reagent solution used in analytical chemical work. Several formulations may constitute the basic reagent, such as USP or standard formulation, the Folin-Wu; Bausch and Lomb formulations; Gentzkow and Masen; Koch McMeekin; Vanselow; and American Public Health Association (A.P.H.A.) formulations.

Approved Item Name	INC	App Key
MERCURIC THIOCYANATE-FERRIC NITRATE-NITRIC ACID SOLUTION	29710	AA
MERCURIC THIOCYANATE SOLUTION	27757	AA
METANIL YELLOW CAPSULES	16699	BA
METHYL ORANGE SOLUTION	18214	AA
METHYL RED-ACID BLUE 5 CAPSULES	29682	BA

A dry mixture of methyl red, sodium salt, and acid blue 5 dye in capsule form.

Approved Item Name	INC	App Key
METHYL RED-ACID BLUE 5 SOLUTION	22166	AA
METHYL RED SOLUTION	18215	AA
METHYLENE BLUE SOLUTION #	58558	AA
N-ETHYLMALEIMIDE SOLUTION	30582	AA
NICKELOUS CHLORIDE SOLUTION	45042	AA

Approved Item Name	INC	App Key
NITROGEN SOLUTION	24752	AA
o-DIANISIDINE DIHYDROCHLORIDE CAPSULES	16698	BA
o-TOLIDINE DIHYDROCHLORIDE SOLUTION	18210	AA
OLEIC ACID, TECHNICAL	16719	CF
p-DIMETHYLAMINOBENZALDEHYDE CAPSULES	16704	BA
p-DIMETHYLAMINOBENZALDEHYDE SOLUTION	28182	AA
P-NITROPHENYL DISODIUM PHOSPHATE CAPSULES	28798	BA
p-p'-TETRAMETHYLDIAMINODIPHENYLME THANE CAPSULES	16708	BA
p-TOLUENESULFONIC ACID SOLUTION	28796	AA
PETROLEUM DISTILLATE,TETRAETHYL LEAD DETERMINATION	10645	CB
PHENOL RED AND SODIUM CARBONATE MIXTURE	30173	CB
PHENOL RED SOLUTION	08349	AA
PHENOLPHTHALEIN SOLUTION	18216	AA
PHENYL-a-NAPHTHYLAMINE CAPSULES	16707	BA
PHOSPHOTUNGSTIC ACID SOLUTION	29409	AA
PLATING SOLUTION ADDITIVE, CADMIUM	18226	CJ

A preparation of nonspecific chemical composition compounded primarily as an additive for cadmium plating solutions to increase the plating spread, brightness of finish, current efficiencies, adhesion, and to prove leveling action, and the like.

Approved Item Name	INC	App Key
PLATING SOLUTION ADDITIVE, CHROMIUM	18227	CJ

A preparation of nonspecific chemical composition compounded primarily as an additive for chromium plating solutions to increase the plating spread, brightness of finish, current efficiencies, adhesion, and to improve leveling action, and the like.

Approved Item Name	INC	App Key
POLYESTER RESIN	66436	CK
POLYMER, RUBBER	17458	CG
POTASSIUM BISULFATE-SULFAMIC ACID MIXTURE	05356	CA
POTASSIUM CHLORIDE SOLUTION, SATURATED	28077	AA
POTASSIUM CHROMATE SOLUTION	18237	AA
POTASSIUM CYANIDE-DIETHYLAMINE SOLUTION	28791	AA

A solution of reagent grade potassium cyanide in a solvent composed of diethylamine and distilled and/or deionized water used in analytical chemistry, generally in calcium determinations.

Approved Item Name	INC	App Key
POTASSIUM DICHROMATE CAPSULES	16635	BA
POTASSIUM DICHROMATE-SULFURIC ACID SOLUTION	30724	AA
POTASSIUM FERRICYANIDE SOLUTION	27635	AA
POTASSIUM FERROCYANIDE SOLUTION	18223	AA
POTASSIUM HYDROXIDE-LITHIUM HYDROXIDE SOLUTION	32129	AA
POTASSIUM HYDROXIDE-POTASSIUM IODIDE SOLUTION	18224	AA
POTASSIUM IODIDE SOLUTION, ALKALINE	32205	AA
POTASSIUM PHOSPHATE DIBASIC-POTASSIUM PHOSPHATE MONOBASIC SOLUTION	29561	AA

Approved Item Name	INC	App Key
POTASSIUM PHOSPHATE-SODIUM PHOSPHATE SOLUTION	28338	AA
PRESERVATIVE, CYTOLOGICAL	37783	CA
PRIMER, PRESSURE SENSITIVE TAPE	13612	CB

A compound applied to a smooth surface to increase the adhesion of pressure-sensitive tape thereto.

RANEY CATALYST	16695	CE
ROSIN, POWDERED, LITHOGRAPHIC	10702	CB

A powder used as an acid resist to protect image before applying etching solutions. When of a specific chemical, use specific chemical name.

SICKLE CELL TEST REAGENT	37851	AA
SILICON CHLORIDE SOLUTION	45043	AA
SOAP SOLUTION	18418	AA
SODIUM ACETATE SOLUTION	28492	AA
SODIUM CARBONATE CAPSULES	16679	BA
SODIUM CARBONATE-SODIUM BICARBONATE SOLUTION	28700	AA
SODIUM CARBONATE SOLUTION	27760	AA

A standard alkalinity solution composed of 0.318 grams of reagent grade anhydrous sodium carbonate per liter of demineralized water solution.

SODIUM CHLORIDE-POTASSIUM CYANIDE SOLUTION	28608	AA
SODIUM DICHROMATE SOLUTION	27491	AA
SODIUM HYDROXIDE AND POTASSIUM PHOSPHATE SOLUTION	29537	AA
SODIUM HYDROXIDE CAPSULES	16636	BA
SODIUM HYPOCHLORITE SOLUTION	08099	AA
SODIUM METASILICATE, ANHYDROUS, TECHNICAL	18228	CJ

Approved Item Name	INC	App Key
SODIUM PERBORATE CAPSULES	16697	BA
SODIUM SILICATE SOLUTION	18221	AA
SODIUM SILICOFLUORIDE-SODIUM BIFLUORIDE MIXTURE	18229	CJ
SODIUM SULFIDE SOLUTION	18239	AA
SODIUM SULFITE CAPSULES	16680	BA
SODIUM THIOSULFATE SOLUTION, REAGENT	16720	AA
STANNOUS FLUOBORATE SOLUTION	12782	AA
SULFANILIC ACID SOLUTION	37799	AA

A product produced by a dilution of 4-aminobenzenesulfonic acid.

SULFURIC ACID, ANALYZED REAGENT	18207	AA
TARTARIC ACID SOLUTION	29842	AA
TETRABUTYLAMMONIUM HYDROXIDE SOLUTION	28501	AA
TITANIUM CHLORIDE SOLUTION	45044	AA
TITANIUM TRICHLORIDE SOLUTION	18208	AA
TITANOUS SULFATE SOLUTION	18209	AA
TRI-n-BUTYL BORATE, TECHNICAL	20985	CP
TRICHLOROACETIC ACID SOLUTION	27802	AA
TURBIDITY STANDARD SOLUTION	16718	AA

A suspension of solid of known turbidity in water calibrated to a standard.

URINE DILUTING SOLUTION	41218	AA

A carrier fluid that dilutes and separates urine from foreign substances prior to performing diagnostic tests.

VESICANT AGENT PROTECTIVE OINTMENT	10806	CB
VINYL RESIN	18390	CK

Approved Item Name	INC	App Key
ZERO HARDNESS WATER	17459	CH

Distilled water with an ion exchange compound for removal of all hardness from the distilled water.

ZINC CHLORIDE SOLUTION	45045	AA
ZINC SULFATE SOLUTION	28697	CB

APPLICABILITY KEY INDEX

	AA
NAME	X
CKPP	X
CKXL	X
CKXM	AR
CKXN	AR
CKXP	AR
CKXQ	AR
CKXR	AR
CKXS	AR
BBRF	AR
CKXT	AR
CKXW	AR
CKXX	AR
HUES	AR
CKXY	X
CKXZ	AR
CKYB	AR
CKYC	AR
CKYD	AR
CKYF	AR
CKYG	AR
CKYH	AR
BBRP	AR
BBRQ	AR
CKYJ	AR
AKKF	AR
AKKG	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ENAC	AR
ALAX	AR
CZFJ	AR
ELRN	AR
ELCD	AR
AFJK	AR
SUPP	AR
ZZZP	AR
ZZZV	AR
CXCY	AR
DERM	AR
HZRD	AR
CRYC	AR

AJCN   AR

AJCN   AR

	BA
NAME	X
AKJC	X
ABHP	AR
ADAV	AR
AJXE	AR
CKYK	X
ASKN	AR
CKYL	X
CKYM	AR
CLDN	AR
AGXW	AR
BBRL	AR
BBRF	AR
CLDP	AR
AZQK	AR
ANNW	AR
ANNX	AR
ANNY	AR
AKKG	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ENAC	AR
ALAX	AR
CZFJ	AR
ELRN	AR
ELCD	AR
AFJK	AR
SUPP	AR
ZZZP	AR
ZZZV	AR
CXCY	AR
DERM	AR
HZRD	AR
CRYC	AR
AJCN	AR

	CA	CB	CC	CD	CE	CF	CG	CH	CJ	CK
NAME	X	X	X	X	X	X	X	X	X	X
CLDS	AR				X				AR	
AGZX							X			X
AGXW	X				X		X		X	X
CLDT										X
CLDQ	AR				AR		AR		AR	AR
CKYG										AR
BBPB					AR				AR	
CLDR			X							
HUES						X				
CLDY						AR				
BBRP			X			X				X
BBRQ			AR			AR				AR
CHQK						X				
CLDZ						X				
BBRF			AR						AR	
BMMX				X						
CLFB				AR						
CLFC								X		
CLFK								AR		
ATYX								AR		
ALQG								AR		
FEAT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
TEST	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
SPCL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZK	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZY	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
CRTL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
PRPY	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ENAC	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ALAX	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
CZFJ	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ELRN	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ELCD	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
AFJK	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
SUPP	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZP	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZV	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
CXCY	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
DERM	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
HZRD	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
CRYC	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
AJCN	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

	CL	CM	CN	CP	CQ
NAME	X	X	X	X	X
AGZX					X
CLFL					X
AGXW	X		X		
CLDT	X				
CLDQ	AR		AR		
CKYG	AR				
CLDW				AR	
CLDX				X	
BBRP	X			X	
BBRQ	AR			AR	
BBRF			AR		
ATNG			X		
CLFD			X		
CLFF		X			
AGZZ				AR	
AGYN				X	
CLFG					X
CLFH					AR
CLFJ					X
FEAT	AR	AR	AR	AR	AR
TEST	AR	AR	AR	AR	AR
SPCL	AR	AR	AR	AR	AR
ZZZK	AR	AR	AR	AR	AR
ZZZT	AR	AR	AR	AR	AR
ZZZY	AR	AR	AR	AR	AR
CRTL	AR	AR	AR	AR	AR
PRPY	AR	AR	AR	AR	AR
ENAC	AR	AR	AR	AR	AR
ALAX	AR	AR	AR	AR	AR
CZFJ	AR	AR	AR	AR	AR
ELRN	AR	AR	AR	AR	AR
ELCD	AR	AR	AR	AR	AR
AFJK	AR	AR	AR	AR	AR
SUPP	AR	AR	AR	AR	AR
ZZZP	AR	AR	AR	AR	AR
ZZZV	AR	AR	AR	AR	AR
CXCY	AR	AR	AR	AR	AR
DERM	AR	AR	AR	AR	AR
HZRD	AR	AR	AR	AR	AR
CRYC	AR	AR	AR	AR	AR
AJCN	AR	AR	AR	AR	AR

[Page Break]

Body

SECTION: A

APP Key	MRC	Mode Code	Requirements

ALL

NAME D ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the Item Name Code from the index of Approved Item Names. (e.g., NAMED08099*)

AA

CKPP D FORMULATION DESIGNATION

Definition: THE NOMENCLATURE BY WHICH THE FORMULA(E) IS KNOWN OR IDENTIFIED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 5. (e.g., CKPPDDBM*)

See Appendix C, Table 1, for a more lengthy definition.

AA

CKXL D SOLUTE DESIGNATION

Definition: THE NAME BY WHICH A DISSOLVED SUBSTANCE IS KNOWN OR IDENTIFIED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., CKXLDA4924*; CKXLDA2023$$DB2724*)

See Appendix C, Table 1, paragraph 3, for interpretation of term "solute."

AA*

CKXM D SOLUTE GRADE

Definition: THE RECOGNIZED DESIGNATION INDICATING THE GRADE OR QUALITY OF THE SOLUTE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CKXMDABK*; CKXMDABK$$DAAG*)

REPLY CODE	REPLY (AJ08)
ABK	ACS
ABL	ANALYZED REAGENT
ABM	NF
AAG	REAGENT
ABP	TECHNICAL
ABN	USP

NOTE: SOLUTE CONCENTRATION DATA: FOR THOSE MEASURE VALUES WHICH ARE PECULIAR TO A SPECIFIC SOLUTE IN SOLUTION, SUCH AS PERCENTAGE BY VOLUME, PERCENTAGE EQUIVALENT, EQUIVALENT OF NEGATIVE RADICAL, AND OTHERS.

NOTE: Reply to MRCs CKXN, CKXP, CKXR, and CKXS as required to establish the concentration of the solute in accordance with the most appropriate method. See Appendix C, Table1, paragraphs 4 through 7 for interpretation of these requirements.

AA* (See Note Above)

CKXN   J   SOLUTE WEIGHT

Definition: THE QUANTITY OF SOLUTE PRESENT IN A SPECIFIED AMOUNT OF SOLUTION.

Reply Instructions: Enter the applicable ISAC from Table 1 below, followed by the applicable Reply Codes from Table 2 below, Appendix A , Table 1, and the numeric value. (e.g., CKXN1AJCFAB23221.00*; CKXN1BJCFBB27241.00$$JCFAA20231.00*)

Table 1

IDENTIFIED SECONDARY ADDRESS INDICATOR	REPLY (0344)
1A	FIRST SOLUTE
1B	SECOND SOLUTE
1C	THIRD SOLUTE
1D	FOURTH SOLUTE
1X	SINGLE SOLUTE

28

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AG67)
CF	GRAMS PER LITER
JK	MILLIGRAMS PER CUBIC CENTIMETER

AA* (See Note Preceding MRC CKXN)

CKXP   J   SOLUTE PERCENTAGE

Definition: THE AMOUNT OF SOLUTE PRESENT IN A SOLUTION, EXPRESSED IN PERCENT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below and Appendix A , Table 1, followed by the numeric value. (e.g., CKXP1AJFEAA004015.0*; CKXP1BJFDBB272415.0$$JFDCB272419.0*)

Table 1

IDENTIFIED SECONDARY ADDRESS INDICATOR	REPLY (0344)
1A	FIRST SOLUTE
1B	SECOND SOLUTE
1C	THIRD SOLUTE
1D	FOURTH SOLUTE
1X	SINGLE SOLUTE

Table 2

REPLY CODE	REPLY (AL15)
FD	BY VOLUME
FE	BY WEIGHT

AA*

CKXQ   J   SOLUTE EQUIVALENT IN PERCENT

Definition: THE SOLUTE AS MEASURED BY THE PERCENTAGE OF ITS CHEMICAL EQUIVALENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1, followed by the numeric value. (e.g., CKXQJA20236.6*; CKXYJA20236.6$$JB27245.5*)

29

APP Key	MRC	Mode Code	Requirements

AA* (See Note Preceding MRC CKXN)

| | CKXR | G | COMPOUND EQUIVALENT |

Definition: A MEASUREMENT OF THE COMPOUND EQUIVALENT WHICH REPRESENTS THE ASSAY VALUE OF THE SOLUTE.

Reply Instructions: Enter the reply in clear text. (e.g., CKXRG1 ML EQUAL TO 0.0855 MG CALCIUM CARBONATE*)

Separate multiple replies with a semicolon. (e.g., CKXRG1 ML EQUAL TO 0.0855 MG CALCIUM CARBONATE;1 ML EQUAL TO 2.5 MG CALCIUM CARBONATE*)

AA* (See Note Preceding MRC CKXN)

| | CKXS | G | NEGATIVE RADICAL EQUIVALENT |

Definition: A MEASUREMENT OF THE NEGATIVE RADICAL EQUIVALENT WHICH REPRESENTS THE VALUE OF THE SOLUTE.

Reply Instructions: Enter the reply in clear text. (e.g., CKXSG1 ML SILVER NITRATE EQUALS 5 MG CL ION*)

Separate multiple replies with a semicolon. (e.g., CKXSGBARIUM CHLORIDE 1 ML EQUAL 10 MG SULFATE S04;BARIUM CHLORIDE 1 ML EQUAL 15 MG SULFATE S04*)

AA*

| | BBRF | G | IMPURITIES LIMITATION IN PERCENT |

Definition: LIMITATIONS PLACED ON SPECIFIC IMPURITIES TO MAKE THE ITEM SUITABLE FOR PARTICULAR USES, EXPRESSED IN PERCENT.

Reply Instructions: Enter the reply in clear text, followed by the maximum allowable percentage in decimal form. If more than one impurity, separate replies with a semicolon. (e.g., BBRFGAMMONIUM HYDROXIDE PRECIPITATE 0.010 PCT*; BBRFGCHLORIDE 0.0025PCT;POTASSIUM 0.025 PCT*)

AA*

| | CKXT | G | SOLUTE SPEC/STD |

APP Key	MRC	Mode Code	Requirements

Definition: THE SPECIFICATION AND/OR STANDARD USED TO LIMIT THE ELEMENT, CHEMICAL, OR SUBSTANCE OF THE SOLUTE.

Reply Instructions: Enter the reply in clear text.

(e.g., CKXTGFED00-C-265*;

CKXTGFED-D-C-265*)

AA*

| | CKXW | G | COLOR STANDARDIZED NAME |

Definition: THE STANDARDIZED NAME OF THE COLOR OF THE ITEM.

Reply Instructions: Enter the name as standardized by the American Association of Textile Chemists and Colorists. (e.g., CKXWGACID ORANGE 52*)

AA*

| | CKXX | A | COLOR INDEX NUMBER |

Definition: THE NUMBER USED TO IDENTIFY THE COLOR IN ACCORDANCE WITH A STANDARD.

Reply Instructions: Enter the American Association of Textile Chemists and Colorists designation number for the solute color. (e.g., CKXXA13025*)

AA*

| | HUES | D | COLOR |

Definition: A CHARACTERISTIC OF LIGHT THAT CAN BE SPECIFIED IN TERMS OF LUMINANCE, DOMINANT WAVELENGTH, AND PURITY.

Reply Instructions: Enter the applicable Reply Code for the solute from the table below. (e.g, HUESDBU0000*)

REPLY CODE	REPLY (AD06)
BU0000	BLUE
CL0001	COLORLESS
GR0000	GREEN
RG0000	ORANGE
WH0000	WHITE
YE0000	YELLOW

31

APP Key	MRC	Mode Code	Requirements

AA

CKXY   D   SOLVENT DESIGNATION

Definition: THE NAME BY WHICH A SUBSTANCE, IN WHICH ANOTHER SUBSTANCE IS DISSOLVED, IS KNOWN OR IDENTIFIED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., CKXYDB1542*; CKXYDB1542$$DB2706*)

See Appendix C, Table 1, paragraphs 3 and 9 for interpretation of the term "solvent."

AA*

CKXZ   D   SOLVENT GRADE

Definition: THE RECOGNIZED DESIGNATION INDICATING THE GRADE OR QUALITY OF THE SOLVENT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CKXZDABK*)

For multiple replies, use AND coding ($$), entering in the same sequence as MRC CKXY. (e.g., CKXZDABN$$DAAG*)

REPLY CODE	REPLY (AJ08)
ABK	ACS
ABL	ANALYZED REAGENT
ABM	NF
AAG	REAGENT
ABP	TECHNICAL
ABN	USP

AA*

CKYB   J   SOLVENT CONCENTRATION PERCENTAGE

Definition: THE CONCENTRATION OF THE SOLVENT, EXPRESSED IN PERCENT.

Reply Instructions: Enter the applicable Reply Code from the table below and Appendix A , Table 1, followed by the numeric value. (e.g., CKYBJFDA0040100.0*)

APP Key	MRC	Mode Code	Requirements

For multiple replies, use AND coding ($$), entering in the same sequence as MRC CKXY. (e.g., CKYBJFDB15429.5$$JFDB27061.5*)

REPLY CODE	REPLY (AL15)
FD	BY VOLUME
FE	BY WEIGHT

AA*

CKYC   F   SOLUTION PH VALUE RANGE

Definition: THE MINIMUM AND MAXIMUM LIMITS OF PH VALUES OF THE SOLUTION.

Reply Instructions: Enter the numeric values, separated by a slash. Precede negative values with an M and positive values with a P. (e.g., CKYCFP8.1/P8.7*)

See Appendix C, Table 1, for interpretation of PH data.

AA*

CKYD   J   PH ADJUSTMENT RANGE

Definition: THE MINIMUM AND MAXIMUM ADJUSTMENTS OF THE PH SCALE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CKYDJB8.7*; CKYDJB8.5$$JC8.7*)

REPLY CODE	REPLY (AC20)
C	MAXIMUM
B	MINIMUM

AA*

CKYF   F   PH RANGE DETERMINATION BY SOLUTION

Definition: THE MINIMUM TO MAXIMUM LIMITS OF PH VALUES DETERMINED BY THE SOLUTION.

Reply Instructions: Enter the numeric values separated by a slash. Precede negative values with an M and positive values with a P. (e.g., CKYFFP3.1/P4.4*)

33

APP Key	MRC	Mode Code	Requirements
AA*			
	CKYG	G	VISCOSITY IN CENTIPOISES AT REFERENCE TEMP

Definition: THE ABSOLUTE UNITS (CENTIPOISES) OF THE ITEM AT A REFERENCE TEMPERATURE.

Reply Instructions: Enter the reply in clear text. (e.g., CKYGG85 TO 550 CENTIPOISES AT 25 DEG C*)

AA*			
	CKYH	D	STABILIZER MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF THE STABILIZER.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., CKYHDA2761*; CKYHDA2761$DA0040*)

AA*			
	BBRP	J	SPECIFIC GRAVITY VALUE

Definition: THE NUMERIC VALUE INDICATING THE RATIO OF THE MASS OF A BODY TO THE MASS OF AN EQUAL VOLUME OF WATER AT A SPECIFIED TEMPERATURE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BBRPJA40.500*; BBRPJB39.500$$JC40.500*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AA*			
	BBRQ	J	SUBSTANCE/WATER TEMP AT SPECIFIC GRAVITY RATIO

Definition: THE TEMPERATURE OF THE SUBSTANCE OR MASS AND THE WATER AT WHICH THE SPECIFIC GRAVITY RATIO IS DETERMINED.

APP
Key   MRC   Mode Code   Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BBRQJAAD20.0*; BBRQJAAE68.0*)

When different temperatures are given for the substance and the water, use Secondary Address Coding entering the temperature of the substance first, followed by the temperature of the water. Precede any values below 0 degrees with the letter M. (e.g.,

BBRQ1AJAAD20.0*;

BBRQ1BJAAD4.0*)

REPLY CODE	REPLY (AJ40)
AAD	DEG CELSIUS
AAE	DEG FAHRENHEIT

AA*

CKYJ   D   UNIT PACKAGE CONTENTS

Definition: THE SUBSTANCE, COMPOUND, OR MIXTURE CONTAINED IN THE UNIT PACKAGE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., CKYJDA8406*; CKYJDA8406$$DA9283*)

AA*

AKKF   J   QUANTITY WITHIN EACH UNIT PACKAGE

Definition: THE NUMBER OF THE VOLUME, FORM, OR THE DOSAGE WITHIN EACH UNIT PACKAGE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 5, followed by the numeric value of the one unit package. (e.g., AKKFJAF5.0*; AKKFJAN3.0$$JAN1.0*)

AA*

AKKG   D   SPECIAL WRAPPING

Definition: THE UNIQUE CHARACTERISTIC NOT INHERENT TO THE TYPE OF INCLOSURE IN WHICH THE ITEM IS NORMALLY WRAPPED.

APP
Key   MRC   Mode Code   Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKKGDAM*)

REPLY CODE	REPLY (AG68)
AM	AMBER COLOR BOTTLE
AQ	CARTON, FIBERBOARD, W/POLYETHYLENE LINER
AN	FRENCH-SQUARE, NARROW MOUTH
AP	PLASTIC LINED BOX W/DISPENSING TUBE

SECTION: B

APP

Key	MRC	Mode Code	Requirements

ALL

    NAME   D   ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the Item Name Code from the index of Approved Item Names. (e.g., NAMED16635*)

BA

    AKJC   D   CAPSULE TYPE

Definition: INDICATES THE TYPE OF CONTAINER OR SHELL USED TO ENCAPSULATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKJCDAD*; AKJCDAD$DAF*)

REPLY CODE	REPLY (AG56)
AD	CELLULOSE ACETATE
AE	GELATIN
AF	PLASTIC

BA*

    ABHP   J   OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA0.500*; ABHPJLA12.7*; ABHPJAB0.375$$JAC0.400*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)

37

APP Key	MRC	Mode Code	Requirements
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

BA*

ADAV   J   OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA0.500*; ADAVJLA12.7*; ADAVJAB0.375$$JAC0.400*)

Table 1
REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2
REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

BA*

AJXE   A   SIZE DESIGNATOR

Definition: A DESIGNATION INDICATING THE SIZE BY WHICH THE ITEM IS COMMERCIALLY KNOWN AND/OR IDENTIFIED.

Reply Instructions: Enter the size. (e.g., AJXEA00*)

BA

CKYK   D   COLOR CHARACTERISTIC

Definition: AN INDICATION OF WHETHER OR NOT THE ITEM IS COLORED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CKYKDAD*; CKYKDAD$DAE*)

APP Key	MRC	Mode Code	Requirements

		REPLY CODE	REPLY (AG38)
		AD	COLORED
		AE	COLORLESS

BA*

ASKN   G   INDIVIDUAL MARKING

Definition: AN INDICATION OF THE INDIVIDUAL MARKING ON THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., ASKNGEACH CAPSULE MARKED F*)

BA

CKYL   J   ACTIVE INGREDIENT VALUE

Definition: A MEASUREMENT OF THE ACTIVE INGREDIENT(S) OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from the table below and Appendix A , Table 1, followed by the numeric value. (e.g., CKYLJBBPA94072.000*; CKYLJBBPB27020.055$$JBBPB27180.045*)

See Appendix C, Table 2, paragraphs 1 and 2 for interpretation of the requirement.

REPLY CODE	REPLY (AJ40)
AAM	PERCENT
BBP	WEIGHT IN GRAMS
BBQ	WEIGHT IN MILLIGRAMS

BA*

CKYM   D   CHEMICAL GRADE

Definition: THE RECOGNIZED DESIGNATION INDICATING THE GRADE OR QUALITY OF THE CHEMICAL.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CKYMDABK*)

REPLY CODE	REPLY (AJ08)
ABK	ACS
ABL	ANALYZED REAGENT
AAG	REAGENT

APP Key	MRC	Mode Code	Requirements
		ABP	TECHNICAL

BA*

CLDN   D   HYDRATION TYPE

Definition: INDICATES THE TYPE OF HYDRATION PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CLDNDDM*)

REPLY CODE	REPLY (AG36)
DM	ANHYDROUS
DN	DECAHYDRATE
DP	DODECAHYDRATE
DQ	TETRAHYDRATE

BA*

AGXW   D   PHYSICAL FORM

Definition: THE RECOGNIZED SHAPE, CONFIGURATION, STRUCTURE, OR MOLD OF A SUBSTANCE, NATURAL OR REFINED, THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., AGXWDAABR*)

BA*

BBRL   J   MELTING POINT TEMP RANGE

Definition: THE MINIMUM AND MAXIMUM TEMPERATURES WHICH INDICATE THE MELTING POINT OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values, separated by a slash. Precede each value with the letter P. (e.g., BBRLJAAADP110.0/P112.0*; BBRLJAAEP230.0/P234.0*)

REPLY CODE	REPLY (AJ40)
AAD	DEG CELSIUS
AAE	DEG FAHRENHEIT

APP Key	MRC	Mode Code	Requirements

BA*

BBRF   G   IMPURITIES LIMITATION IN PERCENT

Definition: LIMITATIONS PLACED ON SPECIFIC IMPURITIES TO MAKE THE ITEM SUITABLE FOR PARTICULAR USES, EXPRESSED IN PERCENT.

Reply Instructions: Enter the reply in clear text. (e.g., BBRFGARSENIC MAX 0.00002*)

See Appendix C, Table 2, paragraph 3, for interpretation of impurities limitation.

BA*

CLDP   G   CHEMICAL SPEC/STD

Definition: THE SPECIFICATION AND/OR STANDARD USED TO LIMIT THE CHEMICAL.

Reply Instructions: Enter the reply in clear text.

(e.g., CLDPGMIL-NO 46S1 GRADE K*)

BA*

AZQK   J   WEIGHT

Definition: A RELATIVE MEASUREMENT OF THE MASS OF AN ITEM WITH RESPECT TO ITS DENSITY.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AZQKJBAA0.04*; AZQKJBAB0.94$$JBAC1.04*)

Table 1
REPLY CODE	REPLY (AG67)
AG	GRAINS
BA	GRAMS

Table 2
REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

41

APP Key	MRC	Mode Code	Requirements

BA*

ANNW   D   IMMEDIATE CONTAINER TYPE

Definition: INDICATES THE TYPE OF CONTAINER WITH WHICH THE ITEM IS IN DIRECT CONTACT.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ANNWDAAAM*)

See Appendix C, Table 2, paragraphs 4 and 5, for clarification of packaging requirement.

REPLY CODE	REPLY (AE96)
AAAM	BOTTLE

BA*

ANNX   A   IMMEDIATE CONTAINER QUANTITY

Definition: THE NUMBER OF IMMEDIATE CONTAINERS.

Reply Instructions: Enter the number. (e.g., ANNXA10*)

BA*

ANNY   A   QUANTITY WITHIN EACH IMMEDIATE CONTAINER

Definition: THE NUMBER OF ITEMS WITHIN EACH IMMEDIATE CONTAINER.

Reply Instructions: Enter the quantity. (e.g., ANNYA60*)

BA*

AKKG   D   SPECIAL WRAPPING

Definition: THE UNIQUE CHARACTERISTIC NOT INHERENT TO THE TYPE OF INCLOSURE IN WHICH THE ITEM IS NORMALLY WRAPPED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKKGDAD*)

42

APP
Key   MRC   Mode Code   Requirements

		REPLY CODE	REPLY (AG68)
		AK	INDIVIDUALLY SEALED
		AD	SEALED IN FOIL PACKET

SECTION: C

APP

Key	MRC	Mode Code	Requirements

ALL

NAME   D   ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the Item Name Code from the index of Approved Item Names. (e.g., NAMED29324*)

CA*, CE, CJ*

CLDS   J   COMPOSITION PERCENTAGE

Definition: THE PERCENTAGE OF THE ELEMENT(S) USED IN THE COMPOSITION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1, followed by the percentage. (e.g., CLDSJB270380.0*; CLDSJA928544.0$$JB255744.0*)

CG, CK, CQ

AGZX   D   BASIC INGREDIENT

Definition: THE PRIMARY INGREDIENT OF WHICH THE ITEM IS MADE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., AGZXDCN*)

CQ

CLFL   D   RESINOUS COMPOUND EXCHANGE TYPE

Definition: INDICATES THE TYPE OF EXCHANGE IN A RESINOUS COMPOUND.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CLFLDJD*; CLFLDJD$$DJE*)

REPLY CODE	REPLY (AF11)
JD	ANION
JE	CATION

APP Key	MRC	Mode Code	Requirements

CA, CE, CG, CJ, CK, CL, CN

AGXW   D   PHYSICAL FORM

Definition: THE RECOGNIZED SHAPE, CONFIGURATION, STRUCTURE, OR MOLD OF A SUBSTANCE, NATURAL OR REFINED, THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., AGXWDAAER*)

CK, CL

CLDT   J   SOFTENING POINT TEMP RATING

Definition: THE TEMPERATURE AT WHICH A SUBSTANCE WILL SOFTEN.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CLDTJAADA115.0*; CLDTJAAEA230.0*; CLDTJAADB115.0$$JAADC117.0*)

For Applicability Key CL, change the Mode Code to K and enter Reply Code N when item is other than solid. (e.g., CLDTKN*)

Table 1
REPLY CODE	REPLY (AJ40)
AAD	DEG CELSIUS
AAE	DEG FAHRENHEIT

Table 2
REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

NOTE FOR MRC CLDQ: IF REPLY CODE AAAL IS ENTERED FOR MRC AGXW, REPLY TO MRC CLDQ.

CA*, CE*, CG*, CJ*, CK*, CL*, CN* (See Note Above)

CLDQ   D   SOLVENT MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF THE SOLVENT.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CLDQDB0987*)

REPLY CODE	REPLY (AG54)
A1369	BENZENE
A6843	METHYL ETHYL KETONE
B0987	XYLENE

CK*, CL*

CKYG	G	VISCOSITY IN CENTIPOISES AT REFERENCE TEMP

Definition: THE ABSOLUTE UNITS (CENTIPOISES) OF THE ITEM AT A REFERNECE TEMPERATURE.

Reply Instructions: Enter the reply in clear text. (e.g., CKYGG1000 CENTIPOISES AT 20 DEG CELSIUS*)

CE*, CJ*

BBPB	J	SIEVE PARTICLE SIZE GRADATION PERCENTAGE

Definition: THE PERCENTAGE OF MATERIAL RETAINED AND/OR PASSED THROUGH A SPECIFIED STANDARD SIEVE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BBPB1YJACBFQ3.0*; BBPB1EJABBFQ30.0$$JABBGK40.0*)

Table 1

IDENTIFIED SECONDARY ADDRESS INDICATOR CODING	REPLY (0344)
1Y	SINGLE SIEVED PARTICLE
1E	FIRST SIEVED PARTICLE
1F	SECOND SIEVED PARTICLE
1G	THIRD SIEVED PARTICLE
1H	FOURTH SIEVED PARTICLE

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AM79)
AC	PASSED
AB	RETAINED

Table 3

REPLY CODE	REPLY (AF81)
BFQ	2 MILLIMETER (No. 10)
BGQ	44 MICRONS (No. 325)
BGK	105 MICRONS (No. 140)
BGH	149 MICRONS (No. 100)

CP*

CLDW   B   MINIMUM ASSAY PERCENTAGE

Definition: THE PERCENTAGE OF THE MINIMUM WEIGHT OF THE ACTIVE CONSTITUENT.

Reply Instructions: Enter the numeric value. (e.g., CLDWB99.5*)

CP

CLDX   J   BOILING POINT TEMP RATING

Definition: THE TEMPERATURE AT WHICH A LIQUID BOILS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CLDXJAAD229.0*; CLDXJAAE441.0$$JAAD219.0*)

REPLY CODE	REPLY (AJ40)
AAD	DEG CELSIUS
AAE	DEG FAHRENHEIT

CC

CLDR   J   SOLUTION CONCENTRATION PERCENTAGE

Definition: THE PERCENTAGE OF THE SOLUTION CONCENTRATION.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CLDRJFEB45.0*; CLDRJFEB45.0$$JFEC47.0*)

APP Key	MRC	Mode Code	Requirements

Table 1
REPLY CODE	REPLY (AL15)
FD	BY VOLUME
FE	BY WEIGHT

Table 2
REPLY CODE	REPLY (AC20)
C	MAXIMUM
B	MINIMUM

CF

HUES   D   COLOR

Definition: A CHARACTERISTIC OF LIGHT THAT CAN BE SPECIFIED IN TERMS OF LUMINANCE, DOMINANT WAVELENGTH, AND PURITY.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., HUESDBR0010*; HUESDBR0000$$DBR0010*; HUESDBR0000$DBR0010*)

REPLY CODE	REPLY (AD06)
BR0000	BROWN
BR0010	BROWN, DARK
YE0000	YELLOW

CF*

CLDY   J   TITER TEMP RATING

Definition: THE RATED TEMPERATURE OF AN ITEM AT WHICH TITRATION OCCURS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CLDYJAAD120.0*; CLDYJAAE249.0$$JAAD120.0*)

REPLY CODE	REPLY (AJ40)
AAD	DEG CELSIUS
AAE	DEG FAHRENHEIT

CC, CF, CK, CL, CP

APP
Key   MRC   Mode Code   Requirements

BBRP   J   SPECIFIC GRAVITY VALUE

Definition: THE NUMERIC VALUE INDICATING THE RATIO OF THE MASS OF A BODY TO THE MASS OF AN EQUAL VOLUME OF WATER AT A SPECIFIED TEMPERATURE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BBRPJA0.893*; BBRPJB0.893$$JC0.894*)

For no specific gravity data, change the Mode Code to K and enter Reply Code N. For "Any Acceptable" specific gravity, change the Mode Code to K and enter Reply Code A. (e.g., BBRPKN*; BBRPKA*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

CC*, CF*, CK*, CL*, CP*

BBRQ   J   SUBSTANCE/WATER TEMP AT SPECIFIC GRAVITY RATIO

Definition: THE TEMPERATURES OF THE SUBSTANCE OR MASS AND THE WATER AT WHICH THE SPECIFIC GRAVITY RATIO IS DETERMINED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BBRQJAAD15.56*; BBRQJAAE43.00*)

REPLY CODE	REPLY (AJ40)
AAD	DEG CELSIUS
AAE	DEG FAHRENHEIT

CF

CHQK   J   IODINE NUMBER

Definition: A NUMBER, OR VALUE, EXPRESSING THE PERCENTAGE OF IODINE ABSORBED BY A SUBSTANCE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CHQKJA190.0*; CHQKJB190.0$$JC195.0*)

To indicate any iodine number, change the Mode Code to K and enter Reply Code A.
(e.g., CHQKKA*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

CF

CLDZ   B   MAXIMUM UNSAPONIFIABLE CONTENT
                         PERCENTAGE

Definition: THE PERCENTAGE OF THE MAXIMUM UNSAPONIFIABLE
MATERIAL.

Reply Instructions: Enter the numeric value. (e.g., CLDZB4.0*)

CC*, CJ*, CN*

BBRF   G   IMPURITIES LIMITATION IN PERCENT

Definition: LIMITATIONS PLACED ON SPECIFIC IMPURITIES TO MAKE THE
ITEM SUITABLE FOR PARTICULAR USES, EXPRESSED IN PERCENT.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a
semicolon. (e.g., BBRFGCHLORIDE 0.002*; BBRFGCHLORIDE MAX
0.002;HEAVY METALS AS LEAD MAX 0.003*)

CN

ATNG   F   PH VALUE RANGE

Definition: THE MINIMUM AND MAXIMUM LIMITS OF PH VALUES.

Reply Instructions: Enter the numeric values, separated by a slash. Precede values with
the letter P. (e.g., ATNGFP4.0/P6.0*)

CD

BMMX   J   REFRACTION INDEX

Definition: AN INDICATION OF THE RATIO OF THE SPEED OF LIGHT IN THE
FIRST MEDIUM TO ITS SPEED IN THE SECOND MEDIUM.

APP
Key   MRC   Mode Code   Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BMMXJA1.515*; BMMXJB1.515$$JC1.517*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

CD*

CLFB   J   REFRACTION INDEX TEMP

Definition: THE TEMPERATURE AT WHICH THE REFRACTION INDEX IS DETERMINED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CLFBJAAD20.0*; CLFBJAAE68.0*)

REPLY CODE	REPLY (AJ40)
AAD	DEG CELSIUS
AAE	DEG FAHRENHEIT

CH

CLFC   D   ION EXCHANGE COMPOUND TYPE

Definition: INDICATES THE TYPE OF ION EXCHANGE COMPOUND PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CLFCDHP*)

REPLY CODE	REPLY (AF11)
HP	CARBONACEOUS
JB	SYNTHETIC
JC	ZEOLITE

CN

CLFD   D   RATING STANDARD

51

APP
Key   MRC   Mode Code   Requirements

Definition: THE STANDARD BY WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CLFDDEXW*)

Refer to the "Standard Samples of Reference Standards" issued by the National Bureau of Standards for rating standard.

REPLY CODE	REPLY (AK54)
EXW	CHEMICAL
EYZ	MICROCHEMICAL

CM

CLFF   A   SAMPLE NUMBER

Definition: THE IDENTIFYING NUMBER OF THE SAMPLE.

Reply Instructions: Enter the number. (e.g., CLFFA39G*)

The sample number is available from the applicable certificate furnished by the National Bureau of Standards.

CP*

AGZZ   G   VISCOSITY AT RATED TEMP

Definition: THE KINEMATIC UNITS (CENTISTOKES) OF THE ITEM AT A SPECIFIED TEMPERATURE.

Reply Instructions: Enter the reply in clear text. (e.g., AGZZG0.41 CENTISTOKES AT 350 DEG F*)

Enter multiple replies in ascending sequence, separated with a semicolon. (e.g., AGZZG0.41 CENTISTOKES AT 350 DEG F; 1.51 CENTISTOKES AT 100 DEG F*)

CP

AGYN   B   MINIMUM FLASH POINT IN DEG FAHRENHEIT

Definition: THE NUMERIC VALUE OF THE MINIMUM FLASH POINT AT WHICH THE ITEM WILL IGNITE AND BURN, EXPRESSED IN DEGREES FARENHEIT.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the numeric value, as determined by the Cleveland open-cup test method. (e.g., AGYNB200.0*)

CQ

CLFG   A   GRAIN EXCHANGE CAPACITY PER CUBIC FOOT

Definition: THE GRAIN EXCHANGE CAPACITY PER CUBIC FOOT FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the numeric value. (e.g., CLFGA12000*)

For items that do not require a rating, or any acceptable, change the Mode Code to K and enter Reply Code N or A. (e.g., CLFGKN*; CLFGKA*)

CQ*

CLFH   J   AMMONIA ADSORPTION PER GRAM

Definition: A MEASUREMENT OF THE AMOUNT OF AMMONIA ADSORBED PER GRAM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CLFHJAK10.0*)

If not used for determination of ammonia in blood or urine, omit reply.

REPLY CODE	REPLY (AG67)
AK	MICROGRAMS (ug)
AL	MILLIGRAMS (mg)

CQ

CLFJ   F   USS SIEVE PARTICLE SIZE RANGE

Definition: THE MINIMUM AND MAXIMUM SIZES OF THE PARTICLES AS RATED BY A US STANDARD.

Reply Instructions: Enter the size numbers according to the US Sieve Series. Precede each number with the letter P. (e.g., CLFJFP16.0/P50.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., CLFJFKN*)

APP Key	MRC	Mode Code	Requirements
CH*			

CLFK   A   ION EXCHANGE COMPOUND QUANTITY PER PACKAGE

Definition: THE AMOUNT OF ION EXCHANGE COMPOUND CONTAINED IN A SINGLE PACKAGE.

Reply Instructions: Enter the value. (e.g., CLFKA50 GR*)

CH*

ATYX   J   CAPACITY RATING

Definition: THE RATED CAPACITY OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the unit package capacity numeric value. (e.g., ATYXJAE8.0*; ATYXJAC1.0*)

REPLY CODE	REPLY (AG67)
AC	CUBIC CENTIMETERS
AE	FLUID OUNCES
AN	OUNCES

CH*

ALQG   D   CONTAINER TYPE

Definition: INDICATES THE TYPE OF CONTAINER PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALQGDAS*; ALQGDCK$DBG*)

REPLY CODE	REPLY (AF72)
AS	BAG
CK	BOTTLE
BG	VIAL

SECTION: STANDARD

APP Key	MRC	Mode Code	Requirements

ALL*

FEAT   G   SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL*

TEST   J   TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321$$JB5556A-663654*;

TESTJAA2345-654321$JB55566-663654*)

REPLY CODE	REPLY (AC28)
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)
B	STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)

APP Key	MRC	Mode Code	Requirements
		C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)

ALL*

    SPCL   G   SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

    ZZZK   J   SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

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APP
Key   MRC   Mode Code   Requirements

_____

REPLY CODE	REPLY (AN62)
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
B	NATIONAL STD/SPEC
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL * (See Note Above)

ZZZT   J   NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 6, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ALL*

ZZZY   G   REFERENCE NUMBER DIFFERENTIATING
                                 CHARACTERISTICS

Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)

ALL*

APP Key	MRC	Mode Code	Requirements
	CRTL	A	CRITICALITY CODE JUSTIFICATION

Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.

Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*)

Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.

NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.

ALL* (See Note Above)

| PRPY | A | PROPRIETARY CHARACTERISTICS |

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL$$ASURF*)

NOTE FOR MRC ENAC: ANSWERING THIS MRC WILL GENERATE AN ENAC CODE IN THE ITEM IDENTIFICATION SEGMENT (A) OF THE NSN.

ALL * (See Note Above)

| ENAC | D | ENVIRONMENTAL ATTRIBUTE CODE |

Definition: INDICATES THE TYPE OF PRODUCT THAT MEETS OR EXCEEDS THE GOVERNMENT GUIDELINES FOR ENVIRONMENTALLY PREFERRED CHARACTERISTICS.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ENACDGQ*)

REPLY CODE	REPLY (EN02)
AV	*ADHESIVE AND MASTIC REMOVERS*
GQ	LOW VOLATILE ORGANIC COMPOUND - CONSUMER PRODUCTS - HOUSEHOLD CONSUMER PRODUCTS
NR	*REVIEWED – DOES NOT MEET SOME ENAC CRITERIA*

NOTE: IF REPLY CODE AV WAS ENTERED FOR MRC ENAC, REPLY TO MRC ALAX.

ALL * (See Note Above)

ALAX   B   BIOBASED CONTENT PERCENTAGE

Definition: THE STATED PERCENTAGE OF THE ITEM'S CONTENT THAT IS BIOBASED.

Reply Instructions: Enter the numeric value. (e.g., ALAXB75.0)

NOTE: IF REPLY CODE GQ WAS ENTERED FOR MRC ENAC, REPLY TO MRC CZFJ.

ALL * (See Note Above)

CZFJ *   B   VOLATILE ORGANIC COMPOUND IN GRAMS PER LITERS

Definition: THE VOLATILE ORGANIC COMPOUND OF THE ITEM AS RATED BY INDUSTRY, EXPRESSED IN GRAMS PER LITER.

Reply Instructions: Enter the numeric value. (e.g., CZFJB0.6*)

ALL*

ELRN   G   EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

APP
Key   MRC   Mode Code   Requirements

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

ALL*

ELCD   D   EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY CODE	REPLY (AN58)
A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

SECTION: SUPPTECH

APP Key	MRC	Mode Code	Requirements

ALL

AFJK   J   CUBIC MEASURE

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFJKJB8.000*; AFJKJC25.000*)

REPLY CODE	REPLY (AD42)
C	CUBIC CENTIMETERS
F	CUBIC FEET
B	CUBIC INCHES
E	CUBIC METERS

ALL

SUPP   G   SUPPLEMENTARY FEATURES

Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)

ALL

ZZZP   J   PURCHASE DESCRIPTION IDENTIFICATOIN

Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION OF A DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT OF AN ITEM OF SUPPLY.

Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE) code, followed by a dash and the identifying number of the document.

(e.g., ZZZPJ81337-30624A*)

ALL

APP Key	MRC	Mode Code	Requirements
	ZZZV	G	FSC APPLICATION DATA

Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.

Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT*)

ALL

	CXCY	G	PART NAME ASSIGNED BY CONTROLLING AGENCY

Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)

ALL

	DERM	D	LEVEL OF DERMAL IRRITATION POTENTIAL

Definition: AN INDICATION OF THE LEVEL OF POTENTIAL FOR ADVERSE SKIN REACTIONS FROM DERMAL EXPOSURE TO A PRODUCT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., DERMDAB*)

REPLY CODE	REPLY (DE01)
AA	EXEMPT, LESS THAN 5 PERCENT CHEMICAL COMPONENT BY WEIGHT
AB	MODERATE
AC	NEGLIGIBLE
AD	SLIGHT
AE	STRONG

ALL

	HZRD	D	HAZARDOUS SUBSTANCES

APP
Key   MRC   Mode Code   Requirements

Definition: THE SUBSTANCES AND/OR MATERIALS CONTAINED IN THE
ITEM THAT HAVE BEEN IDENTIFIED AS HAZARDOUS OR
ENVIRONMENTALLY DAMAGING BY THE ENVIRONMENTAL
PROTECTION AGENCY OR OTHER AUTHORIZED GOVERNMENT AGENCY.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 7. (e.g.,
HZRDDHAZ095 *; HZRDDHAZ097$$DHAZ108*)

NOTE FOR MRC CRYC: IF CONTROLLED ITEM INVENTORY CODE (CIIC) IS Q OR
R, REPLY TO MRC CRYC.

ALL (See Note Above)

CRYC   D   CONTROLLED SUBSTANCE CLASSIFICATION

Definition: DRUGS OR SUBSTANCES SUBJECT TO THE PROVISIONS OF THE
COMPREHENSIVE DRUG ABUSE PREVENTION AND CONTROL ACT OF
1970.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g.,
CRYCDC*). See Appendix C , Table 5, for guidance.

REPLY CODE	REPLY (AP11)
B	SCHEDULE II
C	SCHEDULE III
D	SCHEDULE IV
E	SCHEDULE V

AA*, BA*, CA, CB*, CC*, CD*, CE*, CF*, CJ*, CK*, CL*, CM*, CQ*

AJCN   D   PROTECTIVE STORAGE FEATURE

Definition: THE PECULIAR STORAGE FEATURE(S) REQUIRED FOR AN ITEM
IN ORDER TO PROVIDE THE DEGREE OF PROTECTION NECESSARY TO
MAINTAIN SERVICEABILITY STANDARDS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g.,
AJCNDAHY*; AJCNDAHY$$DAGS*; AJCNDAGS$DAHY*)

REPLY CODE	REPLY (AA65)
AHY	CONTROLLED ROOM TEMPERATURE
AGS	FROZEN FOR PRESERVATION
AHW	MUST BE FROZEN

APP Key	MRC	Mode Code	Requirements
		AHQ	REQUIRES REFRIGERATION BETWEEN 2 DEG AND 8 DEG CELSIUS
		AHX	REQUIRES ROOM TEMPERATURE BETWEEN 15 DEG AND 30 DEG CELSIUS
		AGW	SUBJECT TO DAMAGE BY FREEZING

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Reply Tables

Table 1 - CHEMICALS

REPLY CODE	REPLY (AG54)
A5869	A-KETOGLUTARIC ACID
B1200	ACACIA
B2701	ACETATE, GLACIAL
A0040	ACETIC ACID
A0044	ACETIC ANHYDRIDE
B2699	ACID BLUE 5
B2702	ACID BLUE 5 DYE
A0232	ALCOHOL
B2382	ALKYL PHENYL ETHER OF POLYETHYLENE GLYCOL
A0372	ALUMINUM
A0611	AMMONIA
A0636	AMMONIUM CHLORIDE
A0639	AMMONIUM CITRATE
A0660	AMMONIUM MOLYBDATE
A0691	AMMONIUM SULFIDE
A0702	AMMONIUM THIOCYANATE
B2272	ARABIC GUM
A0951	ARSENIC TRIOXIDE
B2703	ARSENIC TRIOXIDE, REAGENT
B2704	ARSENIOUS OXIDE
B2705	AVAILABLE CHLORINE
A1257	BARIUM CHLORIDE
A1269	BARIUM HYDROXIDE
A1397	BENZOIC ACID
A1752	BROMOCRESOL GREEN
B2288	BROMOCRESOL PURPLE
A1764	BROMOPHENOL BLUE
A1774	BROMOTHYMOL BLUE
A2018	CALCIUM CARBONATE
A2023	CALCIUM CHLORIDE
B2706	CASTILE SOAP
B2395	CASTILE SOAP, POWDERED
B2707	CAUSTIC SODA
A2369	CERIC AMMONIUM SULFATE
B2399	CHLORIDE ION
A2511	CHLORINE
A2557	CHLOROFORM
B2708	CHLOROPHENOL RED
A2576	CHLOROPLATINIC ACID
A2761	CITRIC ACID
A3000	COPPER SULFATE
A3072	CREATININE
A3088	CRESOL RED
B2322	CRESOL RED SODIUM SALT
A3157	CUPRIC CARBONATE

REPLY CODE	REPLY (AG54)
B2709	CUPRIC CARBONATE, REAGENT
A3184	CUPRIC SULFATE
B1789	DIACETYL MONOXIME
B2710	DICHLOROFLUOROMETHANE
B2711	DICHLOROTETRAFLUOROMETHANE
A3617	DIETHYLAMINE
B2335	DIETHYLENETRIAMINE PENTAACETIC ACID PENTASODIUM SALT
A3793	DIMETHYL SULFOXIDE
A3915	DISODIUM EDETATE
B2351	DISODIUMETHYLENEDIAMINETETRAACETATE
A4266	ETHYL ALCOHOL
A4293	ETHYL CHLORIDE
A4326	ETHYLENE OXIDE
A4319	ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM SALT
A4519	FERRIC CHLORIDE
A4520	FERRIC CHLORIDE, ANHYDROUS
B2712	FERRIC CHLORIDE-PHOSPHORIC ACID
A4537	FERRIC NITRATE
B2713	FERRIC NITRITE SOLUTION
A4572	FERROUS AMMONIUM SULFATE
A4640	FLUOBORIC ACID
A4690	FORMALDEHYDE
B2714	GLACIAL ACETIC ACID
A4924	GLUTARALDEHYDE
A4953	GLYCINE
A5318	HYDRAZINE DIHYDROCHLORIDE
A5331	HYDROCHLORIC ACID
B2415	HYDROCHLORIC ACID, CONCENTRATED
B2716	HYDROCHLORIC ACID, 5 PERCENT
A5524	IODINE
A1103	L-ASPARTIC ACID
B2433	LEAD FLUOBORATE
A6159	LITHIUM NITRATE
A6170	LITHIUM SULFATE
A6275	MAGNESIUM ACETATE
A6293	MAGNESIUM CHLORIDE
B2717	MAGNESIUM CHLORIDE SOLUTION
B2452	MANGANOUS SULFATE
A6597	MERCURIC NITRATE
A6616	MERCURIC THIOCYANATE
A6724	METHANOL
B2367	METHYL ALCOHOL
A6872	METHYL ORANGE
A6896	METHYL RED
B2718	METHYL RED SODIUM SALT
B2361	N-ETHYLMALEIMIDE
A7263	NICKEL
A7337	NITRIC ACID

REPLY CODE	REPLY (AG54)
A7373	NITROGEN
B2637	O-TOLIDINE
B2638	O-TOLIDINE DIHYDROCHLORIDE
B2503	ORTHOPHOSPHORIC ACID
A3760	p-DIMETHYLAMINOBENZALDEHYDE
B2492	P-NITROPHENYL DISODIUM PHOSPHATE
B2640	P-TOLUENESULFONIC ACID
B2719	PENTASODIUM SALT
A7976	PHENOL
A7978	PHENOL RED
A7980	PHENOLPHTHALEIN
A8101	PHOSPHOMOLYBDIC ACID
A8103	PHOSPHORIC ACID
A8123	PHOSPHOTUNGSTIC ACID
B2720	PIPERIDINE HYDROCHLORIDE
B2721	PIPERIDINE HYDROCHLORIDE, REAGENT
A8267	PLATINUM
B1430	POLYOXYETHYLENE LAURYL ETHER
A8374	POTASSIUM CHLORIDE
A8375	POTASSIUM CHROMATE
A8381	POTASSIUM CYANIDE
A8382	POTASSIUM DICHROMATE
A8386	POTASSIUM FERRICYANIDE
A8387	POTASSIUM FERROCYANIDE
B2542	POTASSIUM FUROATE
A8406	POTASSIUM HYDROXIDE
A8409	POTASSIUM IODIDE
A8426	POTASSIUM PERMANGANATE
A8432	POTASSIUM PHOSPHATE
A8433	POTASSIUM PHOSPHATE, DIBASIC
A8434	POTASSIUM PHOSPHATE, MONOBASIC
A8447	POTASSIUM SODIUM TARTRATE
B2722	SATURATED AQUEOUS MERCURIC THIOCYANATE
B2557	SILICA
A9283	SILICON
A9285	SILICON DIOXIDE
A9316	SILVER NITRATE
A9364	SODIUM ACETATE
B2150	SODIUM ACETATE, TRIHYDRATE
A9385	SODIUM ARSENITE
A9391	SODIUM BICARBONATE
A9407	SODIUM CARBONATE
A9408	SODIUM CARBONATE, ANHYDROUS
A9414	SODIUM CHLORIDE
B2374	SODIUM CHLORIDE, ANHYDROUS
A9421	SODIUM CITRATE
B2576	SODIUM DICHROMATE
A9470	SODIUM HYDROXIDE

REPLY CODE	REPLY (AG54)
A9472	SODIUM HYPOCHLORITE
A9517	SODIUM OXIDE
A9532	SODIUM PHOSPHATE, DIBASIC, ANHYDROUS
A9563	SODIUM SILICATE
A9601	SODIUM THIOSULFATE
A9606	SODIUM TUNGSTATE
A9869	SULFANILIC ACID
A9884	SULFOSALICYLIC ACID
A9888	SULFURIC ACID
A9928	TARTARIC ACID
B0283	TETRAMETHYL-P-PHENYLENDIAMINE
B0408	THIOSEMICARBAZIDE
A9994	THYMOL BLUE
B0471	TITANIUM TRICHLORIDE
B2636	TITANOUS SULFATE
B0034	TRICHLOROACETIC ACID
B2723	TRICHLOROFLUOROMETHANE
B0937	WATER
B2658	WATER, DE-IONIZED
B2724	WATER, DEMINERALIZED
B1542	WATER, DISTILLED
B2725	WATER, DISTILLED, DE-IONIZED
B1544	WATER, PURIFIED
B2343	2, 9-DIMETHYL -1, 10-PHENANTHROLINE
B2715	2N HYDROCHLORIC ACID
A8931	8-QUINOLINOL

Table 2 - PHYSICAL FORMS

REPLY CODE	REPLY (AE98)
AAER	CRUMB
AABR	CRYSTALLINE
AABW	GRANULAR
AAAL	LIQUID
AACD	PELLET
AAAM	POWDER
AAEN	SHEET
AACK	SOLID

Table 3 - BASIC INGREDIENTS

REPLY CODE	REPLY (AF11)
CN	BUTADIENE ACRYLONITRILE
HN	BUTENE-DIENE

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REPLY CODE	REPLY (AF11)
HP	CARBONACEOUS
MH	LITHIUM
HQ	NATURAL ZEOLITE
HR	NUCLEAR SULFONIC ACID
HS	POLYAMINE PHENOL-FORMALDEHYDE
DR	POLYCHLOROPRENE
HT	POLYSULFIDE
HW	POLYVINYL BUTYRATE
NB	STYRENE-DIVINYL BENZENE
HX	SYNTHETIC ZEOLITE
HY	VINYL CHLORIDE-VINYL ACETATE-ALCOHOL COPOLYMER
HZ	VINYL CHLORIDE-VINYL ACETATE COPOLYMER
JA	VINYLEDENE CHLORIDE-ACRYLONITRILE COPOLYMER

Table 4 - FORMULATION DESIGNATIONS

REPLY CODE	REPLY (AJ50)
DBK	A.P.H.A.
GFY	ABBOTT LABORATORIES
GFZ	AMERICAN CHEMICAL ENTERPRISES
FKJ	AMERICAN SCIENTIFIC
GGA	ANALYTAB
GGB	ANDERSON LABORATORIES
GGC	BAKER INSTRUMENTS
BNZ	BAUSCH AND LOMB
GGD	BBL MICROBIOLOGY SYSTEMS
GHT	BIOLOGICS CORP
FMS	CORNING SCIENTIFIC
DBL	FEHLING
DBM	FISCHER AND PORTER
FKD	FISHER SCIENTIFIC
BQK	FOLIN-WU
DBN	GENTSKOW AND MASON
GZM	INSTRUMENTATION LABORATORY
DBP	KARR AND KELLER SPECIAL
DBQ	KOCH-MCMEEKIN
EFE	LIEBERMANN-BURCHARD
DBR	LIQUID SPECIAL
DBS	NELSON
GVF	NOVA
GZN	ORION RESEARCH
DBT	SIGMA SPECIAL
FLA	SIMMLER
DBY	TECHNICON FORMULA AR-10-56
DBX	TECHNICON FORMULA AR-162-65
DBW	TECHNICON FORMULA AR-184-66

REPLY CODE	REPLY (AJ50)
BRE	USP
DBZ	VANESLOW

Table 5 - UNITS OF MEASURE

REPLY CODE	REPLY (AG67)
AC	CUBIC CENTIMETERS
AE	FLUID OUNCES
AF	GALLONS
BA	GRAMS
AJ	KILOGRAMS
CC	LITERS
AL	MILLIGRAMS
AM	MILLILITERS
AN	OUNCES
AR	PINTS
AS	POUNDS
AT	QUARTS

Table 6 - NONDEFINITIVE SPEC/STD DATA

REPLY CODE	REPLY (AD08)
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR

REPLY CODE	REPLY (AD08)
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER
ML	MATERIAL
BB	MAXIMUM DENSITY
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES

REPLY CODE	REPLY (AD08)
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Table 7 - HAZARDOUS SUBSTANCES

REPLY CODE	REPLY (HZ00)
HAZ095	ACETIC ACID
HAZ097	ACETIC ANHYDRIDE
HAZ108	AMMONIUM CHLORIDE
HAZ121	AMMONIUM THIOCYANATE
HAZ084	ARSENIC TRIOXIDE
HAZ139	BENZOIC ACID
HAZ160	CHLORINE
HAZ161	CHLOROFORM
HAZ172	CUPRIC SULFATE
HAZ075	DICHLOROFLUOROMETHANE
HAZ382	DICHLOROTETRAFLUOROMETHANE
HAZ017	ETHYL ALCOHOL
HAZ018	ETHYLENE OXIDE
HAZ201	FERRIC CHLORIDE
HAZ202	FERRIC CHLORIDE, ANHYDROUS
HAZ203	FERRIC NITRATE
HAZ204	FERROUS AMMONIUM SULFATE
HAZ358	FORMALDEHYDE
HAZ214	HYDROCHLORIC ACID
HAZ220	IODINE
HAZ231	LITHIUM NITRATE

REPLY CODE	REPLY (HZ00)
HAZ240	MERCURIC NITRATE
HAZ242	MERCURIC THIOCYANATE
HAZ245	METHANOL
HAZ252	NICKEL
HAZ258	NITRIC ACID
HAZ260	NITROGEN
HAZ277	PHENOL
HAZ279	PHOSPHORIC ACID
HAZ286	PLATINUM
HAZ290	POTASSIUM CYANIDE
HAZ034	POTASSIUM HYDROXIDE
HAZ294	POTASSIUM PERMANGANATE
HAZ036	SILVER NITRATE
HAZ320	SULFURIC ACID

Reference Drawing Groups

No table of contents entries found.

Technical Data Tables

STANDARD FRACTION TO DECIMAL CONVERSION CHART

4ths	8ths	16ths	32nds	64ths	To 3	To 4	4ths	8ths	16ths	32nds	64ths	To 3	To 4
				1/64	.016	.0156					33/64	.516	.5156
			1/32		-----	.0312				17/32		.531	.5312
				3/64	.047	.0469					35/64	.547	.5469
		1/16		-----	.062	.0625			9/16		-----	.562	.5625
				5/64	.078	.0781					37/64	.578	.5781
			3/32		.094	.0938				19/32		.594	.5938
				7/64	.109	.1094					39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250		5/8	-----	-----	-----	.625	.6250
				9/64	.141	.1406					41/64	.641	.6406
			5/32		.156	.1562				21/32		.656	.6562
				11/64	.172	.1719					43/64	.672	.6719
		3/16		-----	.188	.1875			11/16		-----	.688	.6875
				13/64	.203	.2031					45/64	.703	.7031
			7/32		.219	.2188				23/32		.719	.7188
				15/64	.234	.2344					47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500
				17/64	.266	.2656					49/64	.766	.7656
			9/32		.281	.2812				25/32		.781	.7812
				19/64	.297	.2969					51/64	.797	.7969
		5/16		-----	.312	.3125			13/16		-----	.812	.8125
				21/64	.328	.3281					53/64	.828	.8281
			11/32		.344	.3438				27/32		.844	.8438
				23/64	.359	.3594					55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750		7/8	-----	-----	-----	.875	.8750
				25/64	.391	.3906					57/64	.891	.8906
			13/32		.406	.4062				29/32		.906	.9062
				27/64	.422	.4219					59/64	.922	.9219
		7/16		-----	.438	.4375			15/16		-----	.938	.9375
				29/64	.453	.4531					61/64	.953	.9531
			15/32		.469	.4688				31/32		.969	.9688
				31/64	.484	.4844					63/64	.984	.9844
					.500	.5000						1.000	1.0000

OUNCE TO DECIMAL OF A POUND CONVERSION CHART

OUNCES	POUNDS
1	0.062
2	0.125
3	0.188
4	0.250
5	0.312
6	0.375
7	0.438
8	0.500
9	0.562
10	0.625
11	0.688
12	0.750
13	0.812
14	0.875
15	0.938
16	1.000

FIIG Change List

FIIG Change List, Effective July 3, 2009

Revised Note for MRCs ALAX and CZFJ

Added reply code NR - REVIEWED - DOES NOT MEET SOME ENAC CRITERIA to MRC ENAC

Deleted MRC ECAT from FIIG.